



## Product information

### SPIDER III - SPIDER-PL-20-06T1Z6Z6Z6TY9HHHH

| Industrial Ethernet:Unmanaged Industrial Ethernet Switches:SPIDER III-Switches:SPIDER III   |  |
|---|--|
| <a href="https://www.e-catalog.beldensolutions.com:443/link/57078-24455-49855-437329-498960/en/SPIDER-PL-20-06T1Z6Z6Z6TY9HHHH/uistate">https://www.e-catalog.beldensolutions.com:443/link/57078-24455-49855-437329-498960/en/SPIDER-PL-20-06T1Z6Z6Z6TY9HHHH/uistate</a> |  |
| Name  | SPIDER III   |
|   |   |
|   | Unmanaged, Industrial ETHERNET Rail Switch, fanless design, store and forward switching mode, 10/100 Mbit/s Ethernet   |
| <b>Delivery informations</b>  |  |
| Availability  | available  |
| <b>Product description</b>  |  |
| Description   | Unmanaged, Industrial ETHERNET Rail Switch, fanless design, store and forward switching mode, 10/100 Mbit/s Ethernet   |
| Port type and quantity  | 6x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity, 3 x 100Mbit/s SFP  |
| Type  | SPIDER-PL-20-06T1Z6Z6Z6TY9HHHH   |
| Order No.   | 942 141-027  |
| <b>More interfaces</b>  |  |
| Power supply/signaling contact  | 1 x plug-in terminal block, 6-pin  |
| USB interface   | 1 x USB for configuration  |
| <b>Network size - length of cable</b>   |  |
| Twisted pair (TP)   | 0 m ... 100 m  |
| Multimode fiber (MM) 50/125 µm  | 0 - 5000 m, 0 - 8 dB link budget (with M-FAST SFP-MM/LC)   |
| Multimode fiber (MM) 62.5/125 µm  | 0 - 4000 m, 0 - 11 dB link budget (with M-FAST SFP-MM/LC)  |
| Single mode fiber (SM) 9/125 µm   | 0 - 25 km, 0 - 13 dB link budget (with M-FAST SFP-SM/LC)   |
| <b>Network size - cascadiability</b>  |  |
| Line - / star topology  | any  |
| <b>Power requirements</b>   |  |
| Operating voltage   | 12/24 V DC (9.6 - 32 V DC), redundant  |
| Current consumption at 24 V DC  | Max. 350 mA  |
| Power consumption   | Max. 9.0 W, 30.7 Btu (IT) h  |
| <b>Ambient conditions</b>   |  |
| Operating temperature   | -40 °C ... 60 °C   |
| Storage/transport temperature   | -40 °C ... 85 °C   |
| Relative humidity (non-condensing)  | 0 % ... 95 %   |
| MTBF (Telcordia)  | 1.025.704 hours; Telcordia SR-332; Gb 25°C   |
| <b>Mechanical construction</b>  |  |
| Dimensions (W x H x D)  | 56 x 135 x 117 mm (w/o terminal block)   |
| Mounting  | DIN Rail   |
| Weight  | 510 g  |
| Protection class  | IP40 (metal housing)   |
| <b>Mechanical stability</b>   |  |
| IEC 60068-2-27 shock  | 15 g, 11 ms duration, 18 shocks  |
| IEC 60068-2-6 vibration   | 3.5 mm, 5-8.4 Hz, 10 cycles, 1 octave/min; 1 g, 8.4-150 Hz, 10 cycles, 1 octave/min  |
| <b>Configurable parameters</b>  |  |
| Configurable parameters   | Global settings: power supply unit alarm, aging time, QoS 802.1p mapping, QoS DSCP mapping; Port settings: flow control, port admin state, broadcast storm protection/threshold, multicast storm protection/threshold, QoS Trust Mode, port based priority, link alarm; TX port settings: auto-negotiation, speed, duplex mode, auto-crossing, MDI state, energy efficient ethernet; FX port settings: duplex mode |
| <b>EMC interference immunity</b>  |  |
| EN 61000-4-2 electrostatic discharge (ESD)  | 4 kV contact discharge, 8 kV air discharge   |
| EN 61000-4-3 electromagnetic field  | 10 V/m (80-1000 MHz)   |
| EN 61000-4-4 fast transients (burst)  | 2 kV power line, 4 kV data line  |
| EN 61000-4-5 surge voltage  | power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line  |
| EN 61000-4-6 conducted immunity   | 10 V (150 kHz-80 MHz)  |



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### EMC emitted immunity

**FCC CFR47 Part 15** FCC 47 CFR Part 15 Class A

**EN 55022** EN 55022 Class A

### Service

**Diagnostics** LEDs (power, link status, data, data rate)

### Approvals

**Safety of industrial control equipment** UL61010-1/-2-201

### Scope of delivery and accessories

**Scope of delivery** Device, terminal block, safety instruction

**Accessories** Rail Power Supply RPS 30/80 EEC/120 EEC (CC), Wall mounting plate for DIN rail mounting 40mm - order nr. 942 177-001, wall mounting plate for DIN rail mounting 70mm - order nr. 942 177-002

For more information please contact:

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